

# FREY ENVIRONMENTAL, INC.

Environmental Geologists, Engineers, Assessors

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June 9, 2003  
172-01

Mr. Howard Kay  
Tedesco Leasing Partnership  
475 Seventeenth Street  
Suite 940  
Denver, CO 80202

**GROUNDWATER MONITORING WELL SAMPLING  
SECOND QUARTER 2003  
FORMER MONDO CHROME FACILITY  
4933 FIRESTONE BOULEVARD  
SOUTH GATE, CALIFORNIA**

Dear Mr. Kay:

This report presents the results of groundwater monitoring and sampling activities conducted at the former Mondo Chrome facility located at 4933 Firestone Boulevard in South Gate, California [(Site)(Figure 1)].

## SUMMARY OF ACTIVITIES

On May 6, 2003, groundwater monitoring wells MW1, MW2 and MW3 were measured for depth to water and checked for the presence of light non-aqueous phase liquids (LNAPLs). LNAPLs were not detected in wells MW1, MW2 or MW3 which were then purged and sampled according to the procedures presented in Appendix A.

Groundwater samples were analyzed for volatile organic compounds (VOC's) in general accordance with EPA Method No. 8260B. Groundwater samples were also analyzed for total chromium and cadmium in general accordance with EPA Method No. 6010B, and hexavalent chromium in general accordance with EPA Method No. 7199.

Groundwater purged from the wells is temporarily being stored on-Site in 55-gallon drums. The purged groundwater will be transported and disposed of at a State-certified recycling facility at a later date. A copy of the disposal manifest for groundwater generated during the second quarter 2003 sampling event will be included in a future report.

## RESULTS

Calculated groundwater elevations and chemical analytical data have been summarized in Table 1. Laboratory reports are presented in Appendix B.

- The depth to groundwater ranged from 42.76 feet to 43.18 feet below the top of casing on May 6, 2003. Groundwater elevations ranged from 66.22 feet above mean sea level in well MW1 to 66.75 feet above mean sea level in well MW3 on May 6, 2003.
- Groundwater was estimated to flow toward the north-northwest at a gradient of 0.0042 feet per foot on May 6, 2003. A Site sketch showing groundwater elevations and estimated direction of groundwater flow on May 6, 2003 is presented on Figure 2.
- PCE and TCE were detected in the groundwater samples collected and analyzed, from wells MW1 through MW3, at concentrations up to 640 micrograms per liter ( $\mu\text{g/l}$ ) and 1000  $\mu\text{g/l}$ , respectively. Site sketches showing PCE and TCE concentrations in groundwater are presented on Figures 3 and 4, respectively.
- Total chromium was detected in the groundwater samples collected and analyzed from well MW3 at a concentration of 0.00812  $\mu\text{g/l}$ . Total chromium was not detected in the groundwater samples collected from wells MW1 or MW2.
- Cadmium and hexavalent chromium were not detected in the groundwater samples collected and analyzed from wells MW1, MW2 and MW3.

## CONCLUSIONS

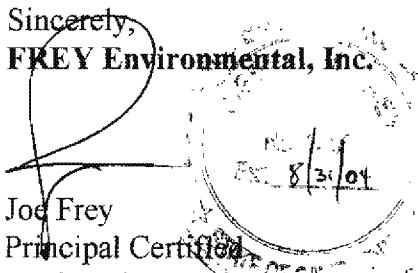
- TCE, and to a lesser extent PCE, are the VOC's which have been detected in the greatest concentrations in groundwater beneath the Site. Concentrations of TCE and PCE have remained relatively stable in wells MW2 and MW3, but have risen slightly in well MW1 since the initiation of groundwater monitoring in 1998.
- Hexavalent chromium has never been detected in groundwater samples collected from groundwater monitoring wells MW1 through MW3 since the initiation of groundwater sampling on December 7, 1998.

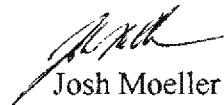
- Total chromium has never been detected above the maximum contamination level (MCL) in groundwater samples collected from groundwater monitoring wells MW1 and MW2 since the initiation of groundwater sampling on December 7, 1998. Total chromium has been detected above the MCL on two occasions in the groundwater samples collected from groundwater monitoring well MW3.
- Cadmium has never been detected in groundwater samples collected from groundwater monitoring well MW1 since the initiation of groundwater sampling in 1998. Cadmium has been detected on one occasion (below the MCL), in groundwater samples collected and analyzed from groundwater monitoring well MW2. Cadmium has been detected on two occasions at concentrations of 3 ug/l and 6 ug/l in groundwater samples collected and analyzed from groundwater monitoring well MW3. The MCL for cadmium is 5 ug/l.

## RECOMMENDATIONS

We recommend that analysis for hexavalent chromium and cadmium be discontinued at the Site.

If you have any questions regarding this report, please contact us at (949) 723-1645.

Sincerely,  
**FREY Environmental, Inc.**  
  
Joe Frey  
Principal Certified  
Engineering Geologist  
CEG #1500

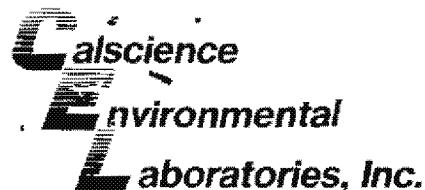
  
Josh Moeller  
Staff Geologist

enclosures:

- Table 1 - Groundwater Levels and Chemical Analyses
- Figure 1 - Site Location Map
- Figure 2 - Site Sketch Showing Groundwater Elevations and Estimated Groundwater Flow Direction on May 6, 2003
- Figure 3 - Site Sketch With PCE Concentrations in Groundwater on May 6, 2003
- Figure 4 - Site Sketch With TCE Concentrations in Groundwater on May 6, 2003
- Appendix A - Field Procedures/Water Sampling Data Forms
- Appendix B - Laboratory Results

cc: Steven Hariri  
Regional Water Quality Control Board  
Los Angeles Region  
320 West 4<sup>th</sup> Street, Suite 200  
Los Angeles, California 90013

**TABLE**



## Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.  
2817-A Lafayette Avenue  
Newport Beach, CA 92663-3715

Date Received: 08/07/01  
Work Order No: 01-08-0294  
Preparation: SPLP  
Method: EPA 6010B

Project: Mondo Chrome/172-01

| Spiked Sample ID | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|------------------|--------|------------|---------------|---------------|---------------------|
| B16-20           | Solid  | ICP 3300   | 08/08/01      | 08/10/01      | 080901ms1           |

| Parameter        | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|------------------|---------|----------|---------|-----|--------|------------|
| Cadmium          | 94      | 99       | 80-120  | 5   | 0-20   |            |
| Chromium (Total) | 90      | 94       | 80-120  | 5   | 0-20   |            |



## Quality Control - Laboratory Control Sample

Frey Environmental, Inc.  
2817-A Lafayette Avenue  
Newport Beach, CA 92663-3715

Date Received: 08/07/01  
Work Order No: 01-08-0294  
Preparation: SPLP  
Method: EPA 6010B

Project: Mondo Chrome/172-01

| LCS Sample Number | Matrix  | Instrument | Date Analyzed | Lab File ID | LCS Batch Number |
|-------------------|---------|------------|---------------|-------------|------------------|
| 097-01-003-1,877  | Aqueous | ICP 3300   | 08/10/01      | 010809-1    | 010809lcs1       |

| Parameter        | Conc Added | Conc Recovered | %Rec | %Rec CL | Qualifiers |
|------------------|------------|----------------|------|---------|------------|
| Cadmium          | 1.00       | 1.03           | 103  | 80-120  |            |
| Chromium (Total) | 1.00       | 0.971          | 97   | 80-120  |            |

TABLE I  
GROUNDWATER LEVELS AND CHEMICAL ANALYSES  
FORMER MONDO CHROME FACILITY  
4933 FIRESTONE BOULEVARD  
SOUTH GATE, CALIFORNIA

| Well No. | Well Elevation (ft-msl) | Screen Interval (feet long) | Date Sampled | Depth to Groundwater (feet) | Groundwater Elevation (ft-msl) |                |                |                        |                          |                    |         | Vinyl Chloride ug/l (ppb) | 1,1-DCA ug/l (ppb) | Total Chromium ug/l (ppb) | Chromium VI ug/l (ppb) | Cadmium ug/l (ppb) |
|----------|-------------------------|-----------------------------|--------------|-----------------------------|--------------------------------|----------------|----------------|------------------------|--------------------------|--------------------|---------|---------------------------|--------------------|---------------------------|------------------------|--------------------|
|          |                         |                             |              |                             |                                | PCE ug/l (ppb) | TCE ug/l (ppb) | cis-1,2-DCE ug/l (ppb) | trans-1,2-DCE ug/l (ppb) | 1,1-DCE ug/l (ppb) | NA      |                           | ND>1.0             | ND>0.5                    | NA                     | NA                 |
| MW1      | 109.40                  | 30-55                       | 12/07/98     | 41.58                       | 67.82                          | 110            | 140            | 6.8                    | NA                       | ND>1.0             | ND>0.5  | NA                        | NA                 | NA                        | NA                     | NA                 |
|          | 03/03/99                | 40.71                       | 68.69        | 140                         | NA                             | ND>10          | NA             | ND>16                  | ND>40                    | ND>20              | ND>10   | 19                        | ND>20              | ND>4                      | ND>20                  | ND>4               |
|          | 06/24/99                | 40.36                       | 69.04        | 600                         | 780                            | ND>25          | NA             | ND>40                  | ND>50                    | ND>25              | ND>25   | 19                        | ND>20              | ND>4                      | ND>20                  | ND>4               |
|          | 09/17/99                | 40.31                       | 69.99        | 707                         | 824                            | 9.4            | NA             | 1.9                    | 1.9                      | 1.9                | ND>0.5  | 16                        | ND>20              | ND>4                      | ND>20                  | ND>4               |
|          | 12/20/99                | 40.35                       | 69.05        | 395                         | 635                            | 10             | NA             | 1.6                    | ND>1.0                   | ND>0.5             | ND>0.5  | 37                        | ND>20              | ND>5                      | ND>20                  | ND>5               |
|          | 03/28/00                | 40.42                       | 68.98        | 368                         | 538                            | 11             | NA             | 1.9                    | ND>1.0                   | ND>0.5             | ND>0.5  | 4                         | NA                 | NA                        | NA                     | NA                 |
|          | 06/26/00                | 40.50                       | 68.99        | 603                         | 909                            | 125            | NA             | ND>0.8                 | ND>1.0                   | ND>0.5             | ND>0.5  | 46                        | NA                 | NA                        | NA                     | NA                 |
|          | 09/23/00                | 40.55                       | 68.85        | 111                         | 190                            | ND>0.5         | NA             | 2.49                   | ND>1.0                   | ND>0.5             | ND>0.5  | ND>3                      | NA                 | NA                        | NA                     | NA                 |
|          | 12/18/00                | 41.78                       | 67.62        | 616                         | 116                            | 14             | 2.1            | 3.4                    | 2.7                      | 3.4                | 0.65    | 11                        | ND>20              | ND>3                      | ND>20                  | ND>3               |
|          | 03/05/01                | 40.90                       | 68.50        | 670                         | 330                            | 11             | 2.2            | 2.7                    | ND>0.8                   | ND>1.0             | ND>1.0  | 19                        | NA                 | ND>3                      | ND>3                   | ND>3               |
|          | 06/14/01                | 40.88                       | 68.52        | 420                         | 800                            | 12             | NA             | 1.6                    | ND>1.0                   | ND>1.0             | ND>1.0  | 8.42                      | ND>1.0             | ND>5                      | ND>5                   | ND>5               |
|          | 09/24/01                | 41.28                       | 68.12        | 430                         | 890                            | 12             | ND>10          | ND>10                  | ND>10                    | ND>10              | ND>10   | 22.5                      | ND>1.0             | ND>5                      | ND>5                   | ND>5               |
|          | 12/13/01                | 41.71                       | 67.69        | 420                         | 890                            | 12             | ND>1.0         | 1.9                    | ND>1.0                   | ND>0.50            | ND>0.50 | 15.4                      | ND>1.0             | ND>5                      | ND>5                   | ND>5               |
|          | 03/27/02                | 41.70                       | 67.70        | 590                         | 980                            | 18             | ND>5.0         | ND>5.0                 | ND>5.0                   | ND>5.0             | ND>5.0  | ND>5                      | ND>5               | ND>5                      | ND>5                   | ND>5               |
|          | 10/30/02                | 41.72                       | 67.68        | 500                         | 880                            | 12             | ND>10          | ND>10                  | ND>10                    | ND>10              | ND>10   | ND>5                      | ND>1.0             | ND>5                      | ND>5                   | ND>5               |
|          | 03/06/03                | 43.18                       | 66.22        | 640                         | 1,000                          | 12             | ND>10          | ND>10                  | ND>10                    | ND>10              | ND>10   | ND>5                      | ND>1.0             | ND>5                      | ND>5                   | ND>5               |
| MW2      | 109.45                  | 30-55                       | 12/07/98     | 41.58                       | 67.77                          | 11             | 72             | 16                     | NA                       | ND>1.0             | ND>0.5  | NA                        | NA                 | NA                        | NA                     | NA                 |
|          | 03/03/99                | 40.81                       | 68.64        | 6.5                         | 130                            | 13             | NA             | ND>4                   | ND>5                     | ND>2.5             | 39      | ND>20                     | ND>4               | ND>20                     | ND>4                   |                    |
|          | 06/24/99                | 40.45                       | 69.00        | 29                          | 160                            | 13             | NA             | ND>8                   | ND>10                    | ND>5               | 50      | ND>20                     | ND>4               | ND>20                     | ND>4                   |                    |
|          | 09/17/99                | 40.40                       | 69.05        | 15                          | 156                            | 21             | NA             | ND>0.8                 | ND>1                     | ND>0.5             | 40      | ND>20                     | ND>4               | ND>20                     | ND>4                   |                    |
|          | 12/20/99                | 40.43                       | 69.02        | 27                          | 158                            | 18             | NA             | ND>0.8                 | ND>1.0                   | ND>0.5             | 18      | ND>20                     | ND>3               | ND>20                     | ND>3                   |                    |
|          | 03/28/00                | 40.38                       | 69.07        | 8.4                         | 138                            | 27             | NA             | 0.8                    | ND>1.0                   | ND>0.5             | 19      | NA                        | NA                 | NA                        | NA                     |                    |
|          | 06/26/00                | 40.46                       | 68.99        | 17                          | 103                            | 230            | NA             | ND>0.8                 | ND>1.0                   | ND>0.5             | 38      | NA                        | NA                 | NA                        | NA                     |                    |
|          | 09/22/00                | 40.47                       | 68.98        | 179                         | 72.5                           | ND>0.5         | NA             | ND>0.8                 | ND>1.0                   | ND>0.5             | 17      | NA                        | NA                 | NA                        | NA                     |                    |
|          | 12/18/00                | 41.70                       | 67.75        | 12                          | 92                             | 28             | 2.1            | ND>0.8                 | ND>1.0                   | ND>0.5             | 39      | ND>20                     | ND>3               | ND>20                     | ND>3                   |                    |
|          | 03/05/01                | 40.83                       | 68.62        | 71                          | 50                             | 19             | 2.2            | 1.3                    | 1.2                      | ND>0.5             | 23      | ND>20                     | 3                  | ND>20                     | ND>3                   |                    |
|          | 06/04/01                | 40.71                       | 68.74        | 3.0                         | 86                             | 24             | ND>0.8         | ND>1.0                 | ND>0.5                   | 28                 | NA      | ND>3                      | ND>3               | ND>3                      | ND>3                   |                    |
|          | 09/24/01                | 41.11                       | 68.34        | 31                          | 94                             | 45             | ND>1.0         | ND>1.0                 | ND>1.0                   | ND>0.50            | 6.73    | ND>1.0                    | ND>5               | ND>5                      | ND>5                   |                    |
|          | 12/13/01                | 41.49                       | 67.96        | 2.9                         | 98                             | 34             | ND>1.0         | ND>1.0                 | ND>1.0                   | ND>0.50            | 12.1    | ND>1.0                    | ND>5               | ND>5                      | ND>5                   |                    |
|          | 03/27/02                | 41.40                       | 68.05        | 41                          | 120                            | 46             | 1.1            | ND>0.8                 | ND>1.0                   | ND>0.50            | 9.67    | ND>1.0                    | ND>5               | ND>5                      | ND>5                   |                    |
|          | 10/30/02                | 41.43                       | 68.02        | 5.0                         | 80                             | 62             | 1.3            | ND>0.8                 | ND>0.50                  | ND>0.50            | 17.6    | ND>1.0                    | ND>5               | ND>5                      | ND>5                   |                    |
|          | 05/06/03                | 42.76                       | 66.69        | 2.9                         | 97                             | 53             | 1.4            | ND>0.50                | ND>0.50                  | ND>0.50            | ND>5    | ND>1.0                    | ND>5               | ND>5                      | ND>5                   |                    |
| MW3      | 109.61                  | 30-55                       | 12/07/98     | 41.78                       | 67.83                          | 9.3            | 73             | 10                     | NA                       | 1.1                | ND>1.0  | ND>0.5                    | NA                 | NA                        | NA                     | NA                 |
|          | 03/03/99                | 40.94                       | 68.67        | 5.1                         | 100                            | 6.4            | NA             | ND>4                   | ND>5                     | ND>2.5             | 68      | ND>20                     | ND>4               | ND>20                     | ND>4                   |                    |
|          | 06/24/99                | 40.59                       | 69.02        | 7.4                         | 110                            | 7.3            | NA             | ND>8                   | ND>10                    | ND>5               | 50      | ND>20                     | ND>4               | ND>20                     | ND>4                   |                    |
|          | 09/17/99                | 40.56                       | 69.05        | 6.1                         | 145                            | 12             | NA             | 1.2                    | 2.3                      | 1.2                | 58      | ND>20                     | ND>4               | ND>20                     | ND>4                   |                    |
|          | 12/20/99                | 40.61                       | 69.00        | 4.4                         | 43                             | 3.6            | NA             | ND>0.8                 | ND>1.0                   | ND>0.5             | 37      | ND>20                     | ND>3               | ND>20                     | ND>3                   |                    |
|          | 03/28/00                | 40.54                       | 69.07        | 4.7                         | 114                            | 13             | NA             | 1.1                    | ND>1.0                   | 0.9                | 19      | NA                        | NA                 | NA                        | NA                     |                    |
|          | 06/26/00                | 40.61                       | 69.00        | 26                          | 92                             | ND>0.5         | NA             | ND>0.8                 | ND>1.0                   | ND>0.5             | 44      | NA                        | NA                 | NA                        | NA                     |                    |
|          | 09/22/00                | 40.60                       | 69.03        | 7.11                        | 66                             | 4.97           | NA             | 1.61                   | ND>1.0                   | ND>0.5             | 20      | NA                        | NA                 | NA                        | NA                     |                    |
|          | 12/18/00                | 41.85                       | 67.76        | 11                          | 80                             | 13             | 1.9            | 1.1                    | ND>1.0                   | ND>0.5             | 30      | ND>20                     | ND>3               | ND>20                     | ND>3                   |                    |
|          | 03/05/01                | 40.90                       | 68.71        | 7                           | 47                             | 11             | 2              | 2.2                    | 1.4                      | 1.2                | 24      | ND>20                     | 6                  | ND>20                     | ND>6                   |                    |
|          | 06/04/01                | 40.85                       | 68.75        | 2.4                         | 56                             | 9.2            | ND>0.8         | 0.85                   | ND>1.0                   | ND>0.5             | 26      | NA                        | 3                  | ND>5                      | ND>5                   |                    |
|          | 09/24/01                | 41.20                       | 68.41        | 2.5                         | 72                             | 17             | ND>1.0         | 1.4                    | ND>1.0                   | 1.0                | 7.74    | ND>1.0                    | ND>5               | ND>5                      | ND>5                   |                    |
|          | 12/13/01                | 41.48                       | 68.13        | 3.1                         | 67                             | 11             | ND>1.0         | 1.3                    | ND>1.0                   | ND>0.50            | 9.35    | ND>1.0                    | ND>5               | ND>5                      | ND>5                   |                    |
|          | 03/27/02                | 41.42                       | 68.19        | 3.4                         | 80                             | 14             | ND>1.0         | 1.7                    | ND>1.0                   | 1.0                | 11.8    | ND>1.0                    | ND>5               | ND>5                      | ND>5                   |                    |
|          | 10/30/02                | 41.44                       | 68.17        | 13                          | 72                             | 18             | ND>1.0         | 1.2                    | ND>0.50                  | ND>0.50            | 14.6    | ND>1.0                    | ND>5               | ND>5                      | ND>5                   |                    |
|          | 05/06/03                | 42.86                       | 66.75        | 3.5                         | 63                             | 12             | ND>1.0         | 1.5                    | ND>0.50                  | 0.66               | 8.12    | ND>1.0                    | ND>5               | ND>5                      | ND>5                   |                    |

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1) Well elevation recorded at top of casing.

### 2) PCP = Trichloroethene

### 3) TCE • Trichloroethane

4) *cis*-1,2-DCE = *cis*-1,2-Dichloroethene

### 5) 1,3-DCE = 1,1-Dichloroethane

### 6) 1,2-DCA - 1,2-Dichloroethane

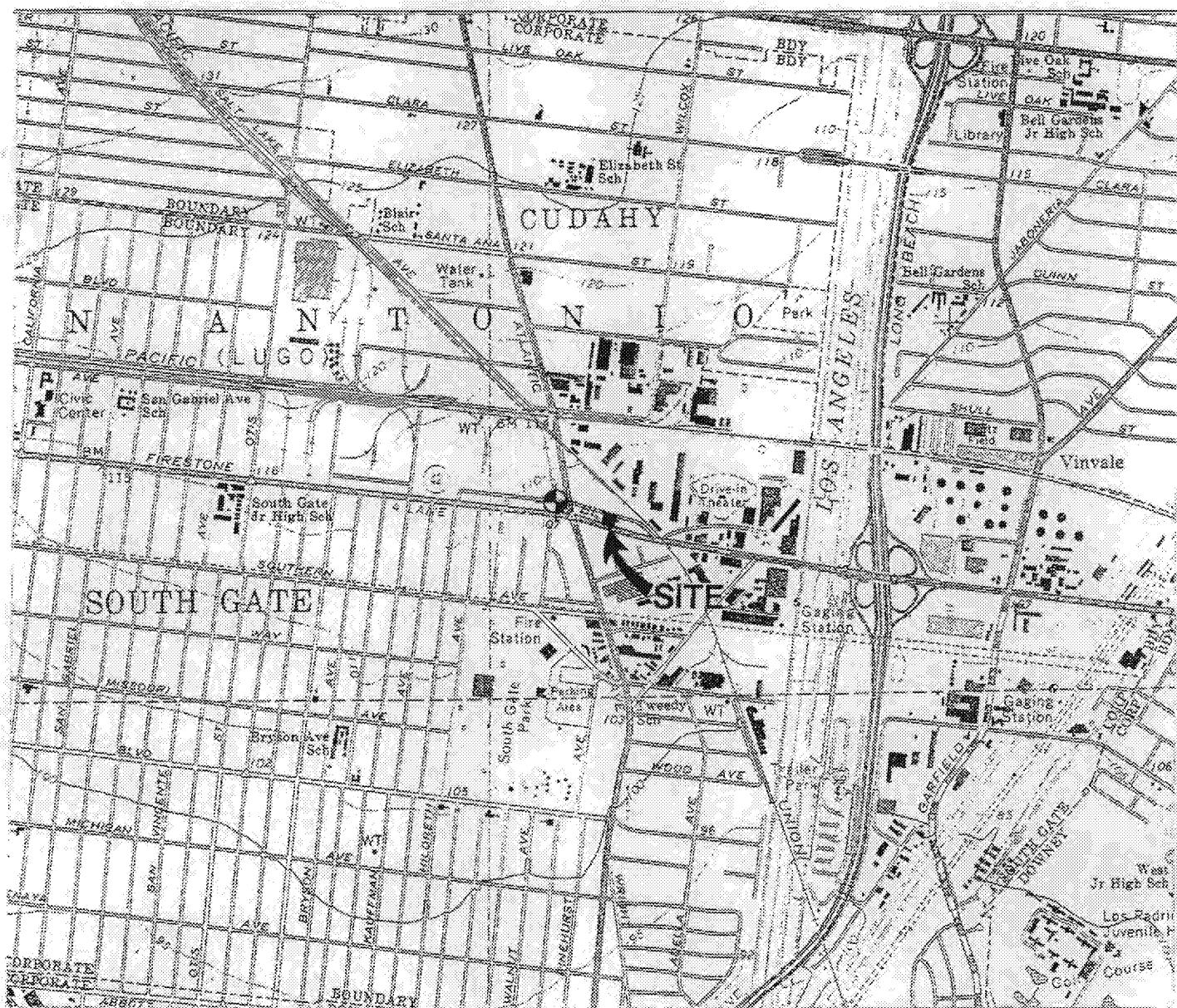
✓) Maximum Contaminant Levels (MCLs) are enforceable drinking water standards.

### **8) NDD - Constituent not detected above the stated concentration**

93 NA - Not analyzed

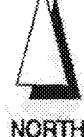
10) Trichlorobenzene 1,2,3 and 1,2,4 detected at concentrations of  $\pm 1 \mu\text{g/l}$ , and  $\pm 0 \mu\text{g/l}$ , respectively, in sample from well MW3 on 05/06/03.

## **FIGURES**



### EXPLANATION

◆ Groundwater well UNOCAL property



MW1 Well number

0 1/2 1  
SCALE IN MILES

(53') Depth to groundwater in feet MSL  
(1994)

FORMER MONDO CHROME FACILITY  
4933 FIRESTONE BOULEVARD  
SOUTH GATE, CALIFORNIA

Client: TEDESCO LEASING

Project No.: 172-01

### NOTES:

- 1) All locations and dimensions are approximate.
- 2) Base map from USGS 7.5 minute South Gate (1966, photorevised 1981), California topographic quadrangle.
- 3) Groundwater well data from FUGRO West, Inc., project no. 94-48-1320.

FREY ENVIRONMENTAL, INC.

### SITE LOCATION MAP

## EXPLANATION

FORMER ABOVE GROUND PROCESS TANK  
LOCATION

▲ HB6      HAND AUGER BORING LOCATION

● B11 BORING LOCATION

VEW1 VAPOR EXTRACTION WELL LOCATION

+ FB4/ VP2 SOIL SAMPLE LOCATION/VAPOR PROBE LOCATION

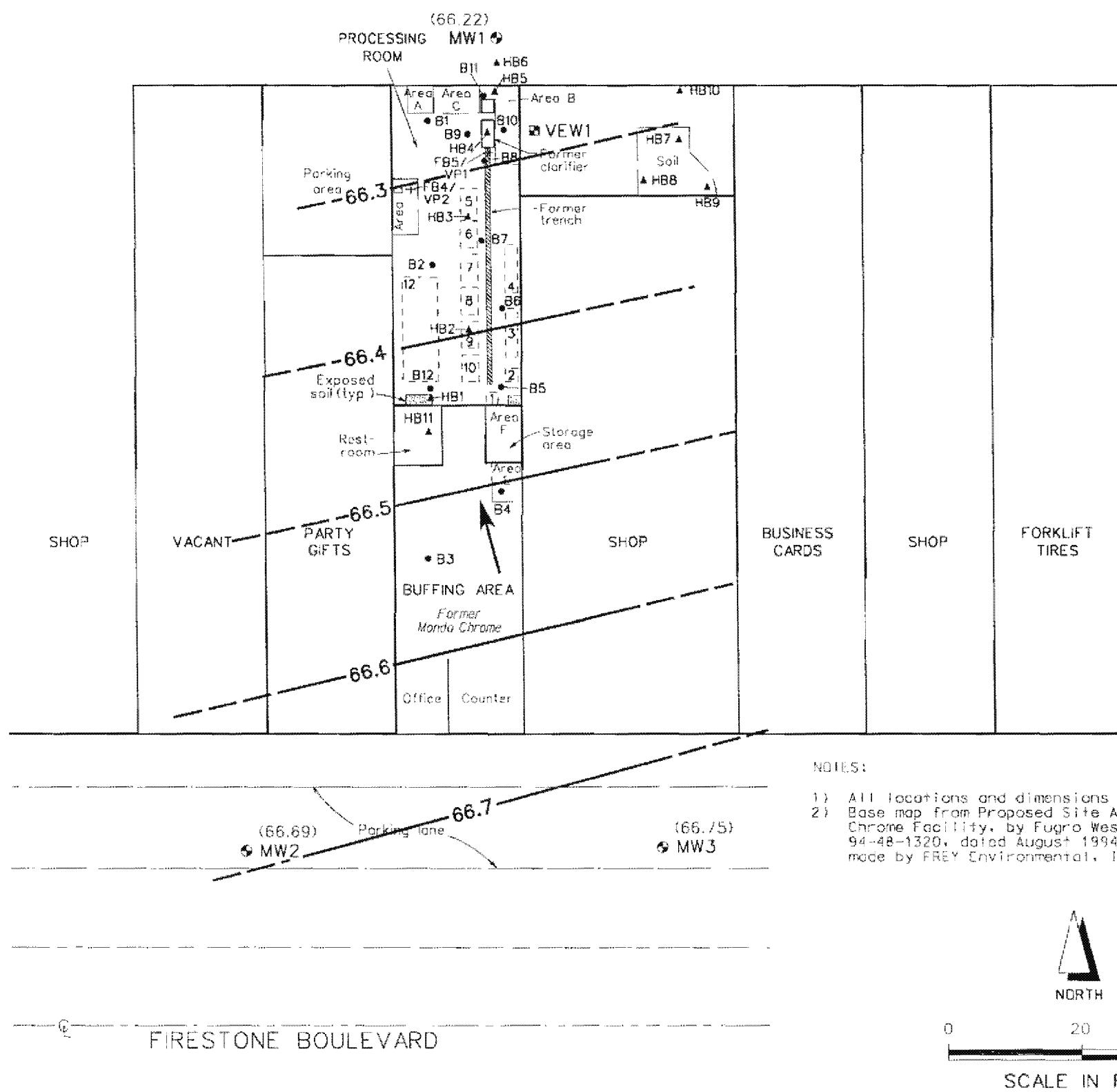
© MW3 GROUNDWATER MONITORING WELL LOCATION

(66.75) With groundwater elevation in feet MSL,  
on May 6, 2003

CONTOUR OF EQUAL GROUNDWATER ELEVATION  
in feet MSL, on May 6, 2003

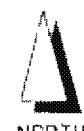
### ESTIMATED GROUNDWATER FLOW DIRECTION

MASON STREET



22

- 1) All locations and dimensions are approximate.
  - 2) Base map from Proposed Site Assessment, Former Mondo Chrome Facility, by Fugro West, Inc., project no. 94-48-1320, dated August 1994, and field observations made by FREY Environmental, Inc. July 1996.



0                  20                  40

**FIRESTONE BOULEVARD**

SCALE IN FEET

FORMER MONDO CHROME FACILITY  
4933 FIRESTONE BOULEVARD  
SOUTH GATE, CALIFORNIA

Credit: TEDESCO LEASING

Project No.: 172-01

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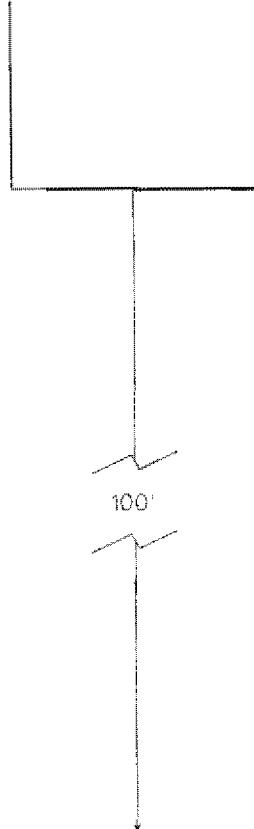
FREY ENVIRONMENTAL, INC.

SITE SKETCH  
ELEVATIONS AND  
FLOW DIRECTIONS

Date: JUNE 2003

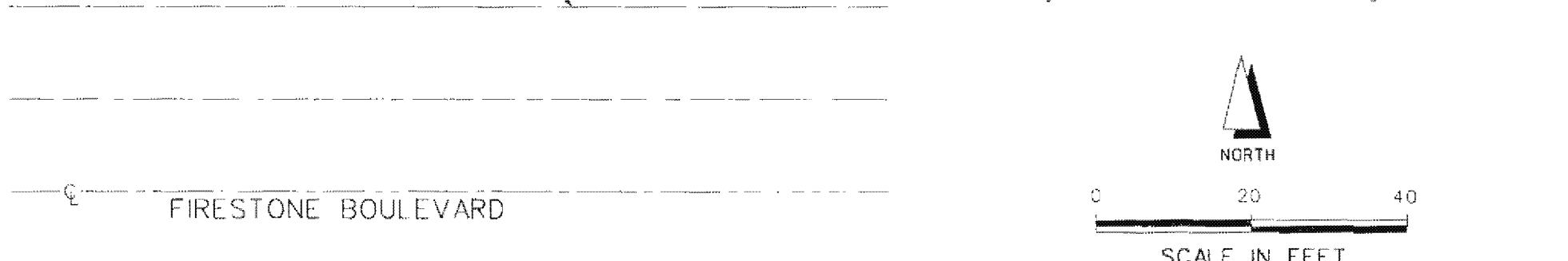
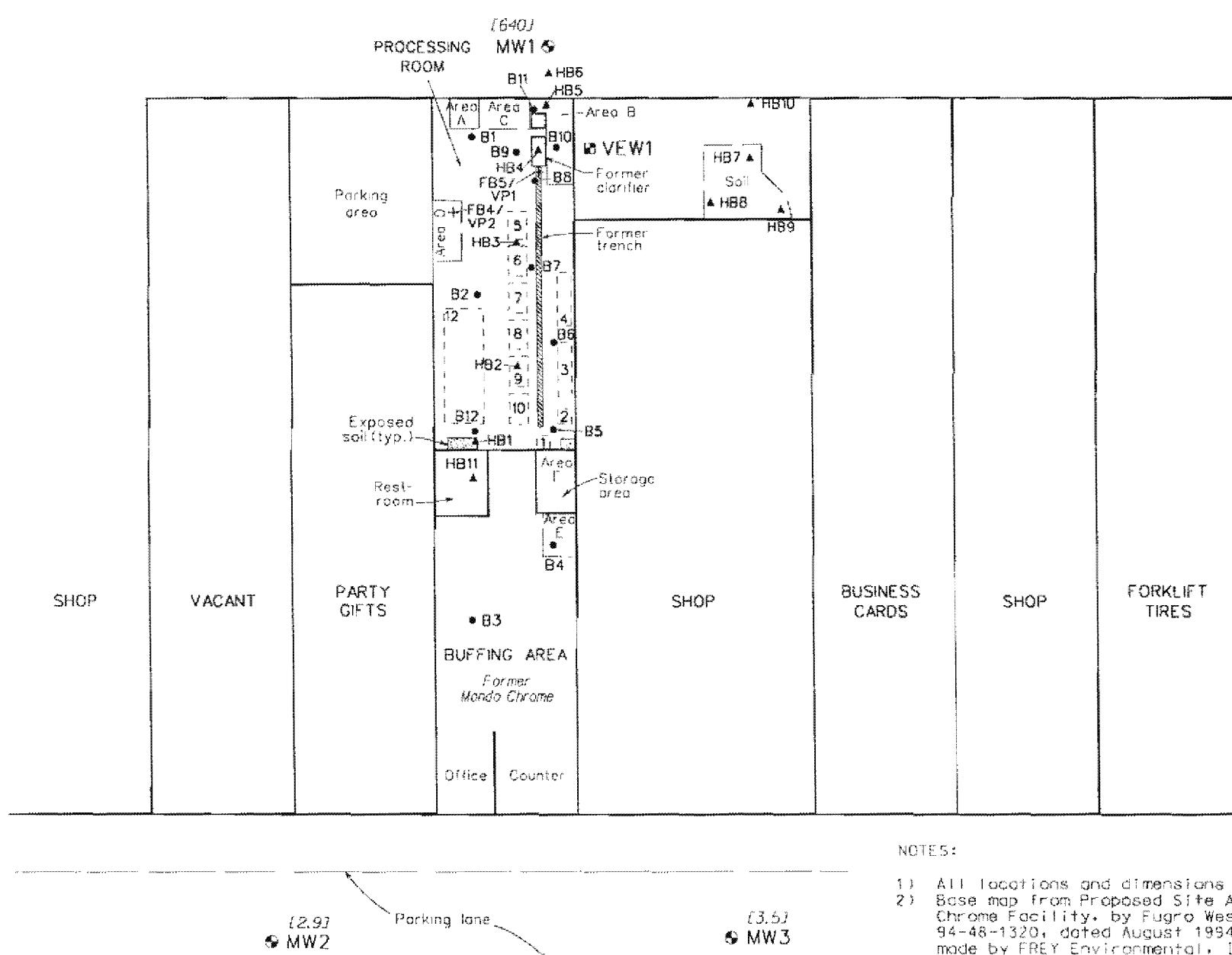
**Figure 2**

## EXPLANATION



- 15 FORMER ABOVE GROUND PROCESS TANK LOCATION
- ▲ HB6 HAND AUGER BORING LOCATION
  - B11 BORING LOCATION
  - VEW1 VAPOR EXTRACTION WELL LOCATION
  - + FB4/ VP2 SOIL SAMPLE LOCATION/VAPOR PROBE LOCATION
  - MW3 GROUNDWATER MONITORING WELL LOCATION
- [640] With PCE concentration in groundwater, in µg/l, on May 6, 2003

MASON STREET



FORMER MONDO CHROME FACILITY  
4933 FIRESTONE BOULEVARD  
SOUTH GATE, CALIFORNIA

Client: TEDESCO LEASING

Project No.: 172-01

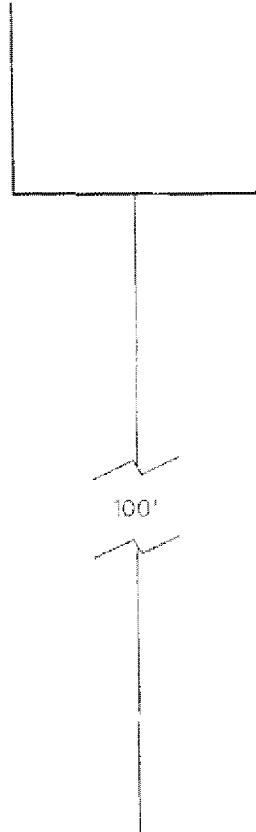
**FREY ENVIRONMENTAL, INC.**

SITE SKETCH WITH PCE  
CONCENTRATIONS IN GROUNDWATER,  
ON MAY 6, 2003

Date: JUNE 2003

Figure 3

## EXPLANATION



[5] FORMER ABOVE GROUND PROCESS TANK LOCATION

▲ HB6 HAND AUGER BORING LOCATION

● B11 BORING LOCATION

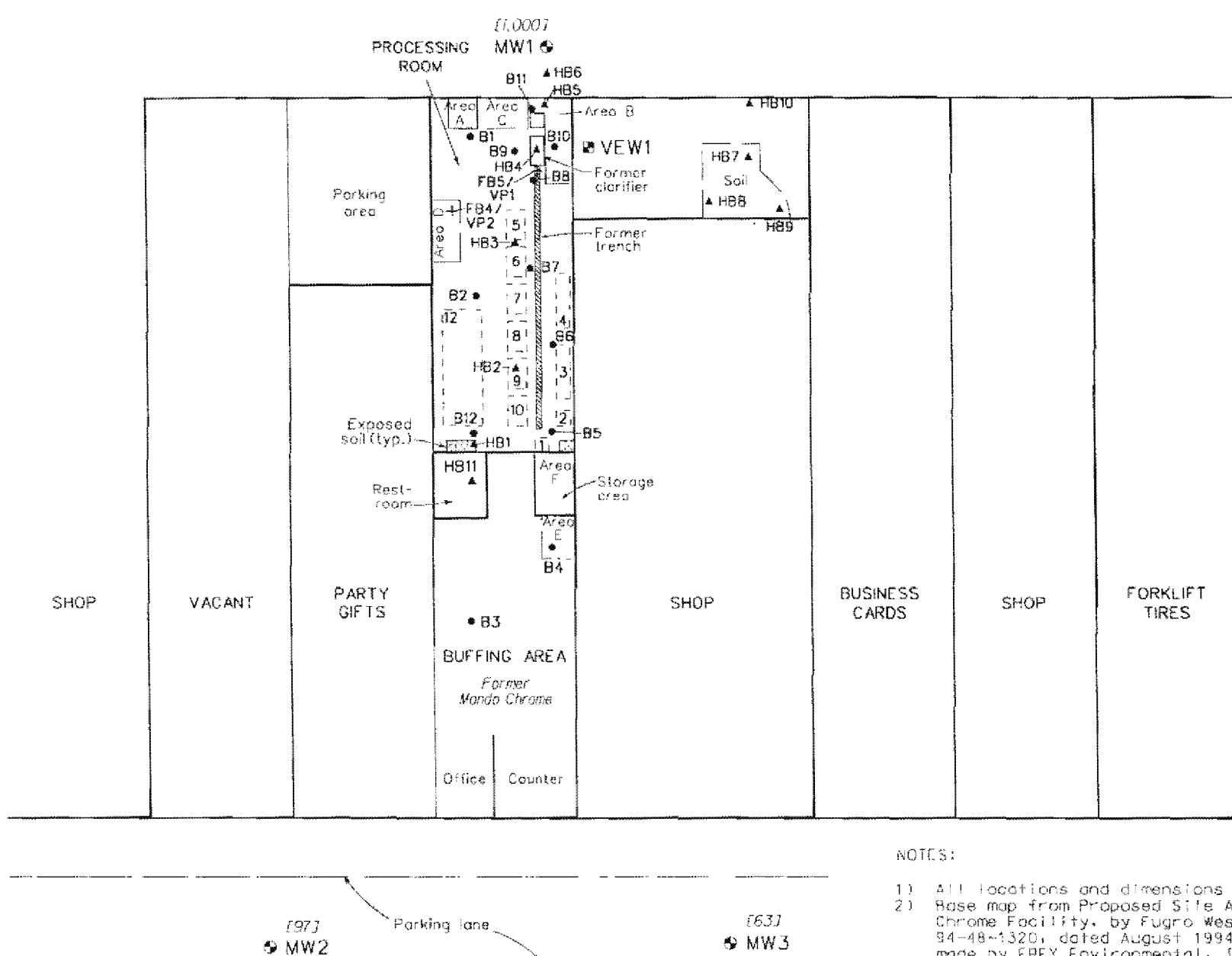
■ VEW1 VAPOR EXTRACTION WELL LOCATION

+ FB4/ VP2 SOIL SAMPLE LOCATION/VAPOR PROBE LOCATION

● MW3 GROUNDWATER MONITORING WELL LOCATION

U,000J With TCE concentration in groundwater,  
in µg/l, on May 6, 2003

### MASON STREET



0 20 40  
SCALE IN FEET

FORMER MONDO CHROME FACILITY  
4933 FIRESTONE BOULEVARD  
SOUTH GATE, CALIFORNIA

Client: TEDESCO LEASING

Project No.: 172-01

**FREY ENVIRONMENTAL, INC.**

SITE SKETCH WITH TCE  
CONCENTRATIONS IN GROUNDWATER,  
ON MAY 6, 2003

Date: JUNE 2003

Figure 4

**APPENDIX A**

**FIELD PROCEDURES/WATER SAMPLING DATA FORMS**

## **WELL PURGING AND GROUND WATER SAMPLING**

1. The water level, and depth to the bottom of each well, was recorded using a conductance probe prior to well purging. A clear bailer sample was taken and visually inspected for turbidity and the presence of free product.
2. The groundwater monitoring wells were purged of at least three well volumes using a submersible pump or bailer.
3. The well was allowed to recover to at least 80 percent of its original well volume prior to sampling.
4. The ground water samples were collected using a stainless steel bailer held by dedicated nylon line.
5. All items entering the well; tapes, conductance probe, bailers were cleaned prior to use and between sampling periods.
6. Groundwater collected from each monitoring well was placed into EPA approved, zero head space, 40 milliliters (mL) vials and 500 mL containers.
7. Each sample was labeled.
8. The samples were placed in a bag, and into an ice chest, and cooled following collection.
9. The samples were delivered to the laboratory directly after collection. Sample handling, transport, and delivery to the laboratory were documented using chain of custody procedures and appropriate Chain-of-Custody forms.

## GROUNDWATER SAMPLING DATA

Page 1 of 3SITE NAME monochrome TASK NUMBER 16DATE 5/6/03JOB NO. 172-01QUARTER 2SAMPLING PERSONNEL Y. Lelie

| WELL NUMBER  | Well Diameter (ID) | Reference Point |
|--------------|--------------------|-----------------|
| <u>MW-1</u>  | <u>2"</u>          | <u>TOC</u>      |
| <u>43.18</u> | <u>54.40</u>       | <u>11.22</u>    |

| TIME                 | ELAPSED TIME | GALLONS PURGED | ph          | Temp (deg. F) | Cond. ( $\mu\text{S}/\text{cm}$ ) | TDS (ppm)  | COMMENTS            |
|----------------------|--------------|----------------|-------------|---------------|-----------------------------------|------------|---------------------|
| <u>9:16</u>          |              |                |             |               |                                   |            | <u>Start pump</u>   |
| <u>9:17</u>          | <u>01</u>    | <u>1</u>       | <u>7.92</u> | <u>68.9</u>   | <u>1,507</u>                      | <u>752</u> | <u>Cloudy water</u> |
| <u>9:20</u>          | <u>04</u>    | <u>4</u>       | <u>7.69</u> | <u>69.9</u>   | <u>1,509</u>                      | <u>754</u> |                     |
| <u>9:22</u>          | <u>06</u>    | <u>6</u>       | <u>7.56</u> | <u>70.3</u>   | <u>1,523</u>                      | <u>760</u> | <u>↓</u>            |
| <u>9:24</u>          | <u>08</u>    | <u>8</u>       | <u>7.45</u> | <u>70.9</u>   | <u>1,513</u>                      | <u>757</u> | <u>Lowflow</u>      |
| <u>9:25</u>          |              |                |             |               |                                   |            | <u>STOP pump</u>    |
|                      |              |                |             |               |                                   |            |                     |
|                      |              |                |             |               |                                   |            |                     |
| <u>9:35</u>          |              | <u>7.35</u>    | <u>70.2</u> | <u>1,502</u>  | <u>751</u>                        |            | <u>Sample</u>       |
| TOTAL GALLONS PURGED |              | <u>8</u>       |             |               |                                   |            |                     |

| SAMPLE DEPTH (FT) | PURGE METHOD   | PURGE PUMPING RATE (GPM) |
|-------------------|----------------|--------------------------|
| <u>45.06</u>      | <u>2" pump</u> | <u>1</u>                 |

| FIELD EQUIPMENT       | MODEL NAME/DESCRIPTION |
|-----------------------|------------------------|
| pH Meter/EC Meter     | Hanna #1               |
| Turbidity Meter       |                        |
| Pump (Dia./Type)      | 2" Electric pump #2    |
| Water Level Meter     | Schinst #3             |
| Bailer (Dia.x length) | Disposable bailer      |

| SAMPLE NUMBER | #BOTTLES |
|---------------|----------|
| <u>MW-1</u>   | <u>5</u> |

## WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: 1 ft x (0.65) = 0.65 Gallons3 Well Volumes = 1.95 Gallons2-INCH WELL: 11.22 ft x (0.16) = 1.79 Gallons3 Well Volumes = 5.38 Gallons

## GROUNDWATER SAMPLING DATA

Page 2 of 3

SITE NAME mondo chrome TASK NUMBER 16DATE 5/6/03JOB NO. 172-01QUARTER 2SAMPLING PERSONNEL V. felko

|                                  |                                |                                     |
|----------------------------------|--------------------------------|-------------------------------------|
| WELL NUMBER<br><u>MW - 2</u>     | Well Diameter (D)<br><u>2"</u> | Reference Point<br><u>Toe</u>       |
| WATER DEPTH (ft)<br><u>42.76</u> | WELL DEPTH<br><u>53.60</u>     | Feet of H2O in Well<br><u>10.84</u> |

| TIME                 | ELAPSED TIME | GALLONS PURGED | ph   | Temp (deg. F) | Cond. (µS/cm) | TDS (ppm) | COMMENTS     |
|----------------------|--------------|----------------|------|---------------|---------------|-----------|--------------|
| 7:35                 |              |                |      |               |               |           | Start pump   |
| 7:36                 | 01           | 1              | 7.06 | 69.7          | 2,016         | 1,066     | Cloudy water |
| 7:37                 | 02           | 2              | 7.04 | 71.2          | 2,132         | 1,067     |              |
| 7:40                 | 05           | 5              | 7.03 | 71.4          | 2,275         | 1,137     |              |
| 7:45                 | 10           | 10             | 7.07 | 71.5          | 2,420         | 1,197     | ↓            |
| 7:46                 |              |                |      |               |               |           | STOP pump    |
|                      |              |                |      |               |               |           |              |
|                      |              |                |      |               |               |           |              |
| 8:35                 |              |                | 7.68 | 66.3          | 2,335         | 1,167     | Sample       |
| TOTAL GALLONS PURGED |              | 10             |      |               |               |           |              |

| SAMPLE DEPTH (FT) | PURGE METHOD   | PURGE PUMPING RATE (GPM) |
|-------------------|----------------|--------------------------|
| <u>43.05</u>      | <u>2" pump</u> | <u>1</u>                 |

| FIELD EQUIPMENT       | MODEL NAME/ DESCRIPTION |
|-----------------------|-------------------------|
| pH Meter/EC Meter     | Hanna # 1               |
| Turbidity Meter       |                         |
| Pump (Dia./Type)      | 2" Electric pump # 2    |
| Water Level Meter     | Solinst # 3             |
| Bailer (Dia.x length) | Disposable bailer       |

| SAMPLE NUMBER | # BOTTLES |
|---------------|-----------|
| <u>MW - 2</u> | <u>5</u>  |

## WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: (10.84) x (0.65) = 7.13 Gallons3 Well Volumes = 5.20 Gallons2-INCH WELL: (10.84) x (0.16) = 1.73 Gallons3 Well Volumes = 5.20 Gallons

## GROUNDWATER SAMPLING DATA

Page 3 of 3SITE NAME Mondochamco TASK NUMBER 16DATE 5/6/03JOB NO. 172-01QUARTER 2SAMPLING PERSONNEL Jeff

| WELL NUMBER   | Well Diameter (ID) | Reference Point |
|---------------|--------------------|-----------------|
| <u>MW - 3</u> | <u>2"</u>          | <u>-top</u>     |
| <u>42.86</u>  | <u>53.50</u>       | <u>10.64</u>    |

| TIME                 | ELAPSED TIME | GALLONS PURGED | ph   | Temp (deg. F) | Cond. (µS/cm) | TDS (ppm) | COMMENTS     |
|----------------------|--------------|----------------|------|---------------|---------------|-----------|--------------|
| 7:55                 |              |                |      |               |               |           | Start pump   |
| 7:56                 | 01           | 1              | 7.73 | 66.3          | 2,566         | 1,285     | Cloudy water |
| 7:58                 | 03           | 3              | 7.30 | 69.1          | 2,551         | 1,276     |              |
| 8:01                 | 06           | 6              | 7.39 | 69.2          | 2,731         | 1,366     |              |
| 8:05                 | 10           | 10             | 7.25 | 70.4          | 2,683         | 1,343     | Low flow     |
| 8:06                 |              |                |      |               |               |           | Stop pump    |
|                      |              |                |      |               |               |           |              |
|                      |              |                |      |               |               |           |              |
| 8:40                 |              |                | 7.49 | 66.7          | 2,539         | 1,273     | Sample       |
| TOTAL GALLONS PURGED |              | 10             |      |               |               |           |              |

| SAMPLE DEPTH (FT) | PURGE METHOD  | PURGE PUMPING RATE (GPM) |
|-------------------|---------------|--------------------------|
| <u>44.15</u>      | <u>2-pump</u> | <u>1</u>                 |

| FIELD EQUIPMENT       | MODEL NAME/ DESCRIPTION |
|-----------------------|-------------------------|
| pH Meter/EC Meter     | Hanna #1                |
| Turbidity Meter       |                         |
| Pump (Dia./Type)      | 2" Electric pump #2     |
| Water Level Meter     | Salinst #3              |
| Bailer (Dia.x length) | Disposable bailer       |

| SAMPLE NUMBER | # BOTTLES |
|---------------|-----------|
| <u>MW - 3</u> | <u>5</u>  |

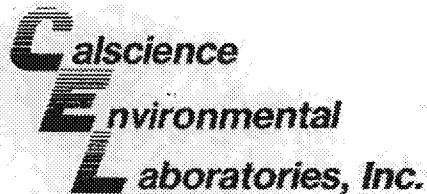
## WELL VOLUME CALCULATIONS:

(Water Column Thickness) (Multiplier) = One Well Volume in Gallons

4-INCH WELL: ( 10.64 ft ) x (0.55) = 5.90 Gallons3 Well Volumes = 17.70 Gallons2-INCH WELL: 10.64 ft x (0.16) = 1.70 Gallons3 Well Volumes = 5.10 Gallons

**APPENDIX B**

**LABORATORY RESULTS**



May 15, 2003

Evan Privett  
Frey Environmental, Inc.  
2817-A Lafayette Avenue  
Newport Beach, CA 92663-3715

Subject: **Calscience Work Order No.: 03-05-0318**  
Client Reference: **Mondo Chrome / 172-01**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/6/2003 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,



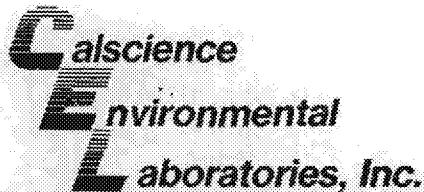
Stephen Nowak  
Project Manager

The signature is handwritten in black ink, appearing to read "Stephen Nowak". Below the signature, the name is printed in a standard font.



Michael J. Crisostomo  
Quality Assurance Manager

The signature is handwritten in black ink, appearing to read "Michael J. Crisostomo". Below the signature, the title is printed in a standard font.



## ANALYTICAL REPORT

Frey Environmental, Inc.  
2817-A Lafayette Avenue  
Newport Beach, CA 92663-3715

Date Received: 05/06/03  
Work Order No: 03-05-0318  
Preparation: Total Digestion  
Method: EPA 6010B

Project: Mondo Chrome / 172-01

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| MW1                  | 03-05-0318-1      | 05/06/03       | Aqueous | 05/06/03      | 05/06/03      | 030506L06   |

| Parameter | Result | RL           | DF | Qual | Units | Parameter        | Result  | RL       | DF       | Qual | Units     |
|-----------|--------|--------------|----|------|-------|------------------|---------|----------|----------|------|-----------|
| Cadmium   | ND     | 0.00500      | 1  |      | mg/L  | Chromium (Total) | ND      | 0.00500  | 1        |      | mg/L      |
| MW2       |        | 03-05-0318-2 |    |      |       | 05/06/03         | Aqueous | 05/06/03 | 05/06/03 |      | 030506L06 |

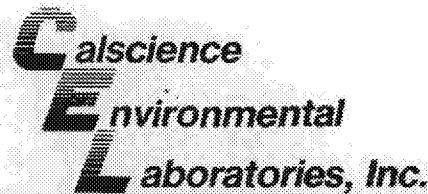
| Parameter | Result | RL           | DF | Qual | Units | Parameter        | Result  | RL       | DF       | Qual | Units     |
|-----------|--------|--------------|----|------|-------|------------------|---------|----------|----------|------|-----------|
| Cadmium   | ND     | 0.00500      | 1  |      | mg/L  | Chromium (Total) | ND      | 0.00500  | 1        |      | mg/L      |
| MW3       |        | 03-05-0318-3 |    |      |       | 05/06/03         | Aqueous | 05/06/03 | 05/06/03 |      | 030506L06 |

| Parameter    | Result | RL               | DF | Qual | Units | Parameter        | Result  | RL       | DF       | Qual | Units     |
|--------------|--------|------------------|----|------|-------|------------------|---------|----------|----------|------|-----------|
| Cadmium      | ND     | 0.00500          | 1  |      | mg/L  | Chromium (Total) | 0.00812 | 0.00500  | 1        |      | mg/L      |
| Method Blank |        | 097.01-003.2.991 |    |      |       | N/A              | Aqueous | 05/06/03 | 05/06/03 |      | 030506L06 |

| Parameter | Result | RL      | DF | Qual | Units | Parameter        | Result | RL      | DF | Qual | Units |
|-----------|--------|---------|----|------|-------|------------------|--------|---------|----|------|-------|
| Cadmium   | ND     | 0.00500 | 1  |      | mg/L  | Chromium (Total) | ND     | 0.00500 | 1  |      | mg/L  |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501



## ANALYTICAL REPORT

Frey Environmental, Inc.  
2817-A Lafayette Avenue  
Newport Beach, CA 92663-3715

Date Received: 05/06/03  
Work Order No: 03-05-0318  
Preparation: N/A  
Method: EPA 7199

Project: Mondo Chrome / 172-01

Page 1 of 1

| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| MW1                  | 03-05-0318-1      | 05/06/03       | Aqueous | N/A           | 05/06/03      | 30506CRL1   |

| Parameter           | Result | RL           | DF       | Qual    | Units |          |
|---------------------|--------|--------------|----------|---------|-------|----------|
| Hexavalent Chromium | ND     | 1.0          | 1        |         | ug/L  |          |
| MW2                 |        | 03-05-0318-2 | 05/06/03 | Aqueous | N/A   | 05/06/03 |

| Parameter           | Result | RL           | DF       | Qual    | Units |          |
|---------------------|--------|--------------|----------|---------|-------|----------|
| Hexavalent Chromium | ND     | 1.0          | 1        |         | ug/L  |          |
| MW3                 |        | 03-05-0318-3 | 05/06/03 | Aqueous | N/A   | 05/06/03 |

| Parameter           | Result | RL              | DF  | Qual    | Units |          |
|---------------------|--------|-----------------|-----|---------|-------|----------|
| Hexavalent Chromium | ND     | 1.0             | 1   |         | ug/L  |          |
| Method Blank        |        | 099-05-123-1210 | N/A | Aqueous | N/A   | 05/06/03 |

| Parameter           | Result | RL  | DF | Qual | Units |  |
|---------------------|--------|-----|----|------|-------|--|
| Hexavalent Chromium | ND     | 1.0 | 1  |      | ug/L  |  |

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501

**ANALYTICAL REPORT**

Frey Environmental, Inc.  
 2817-A Lafayette Avenue  
 Newport Beach, CA 92663-3715

Date Received: 05/06/03  
 Work Order No: 03-05-0318  
 Preparation: EPA 5030B  
 Method: EPA 8260B

Project: Mondo Chrome / 172-01

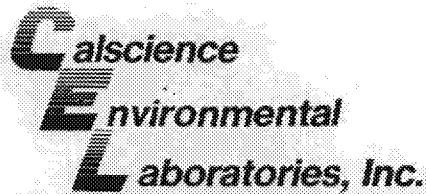
Page 1 of 4

| Client Sample Number        | Lab Sample Number |                |      |      | Date Collected | Matrix                      | Date Prepared | Date Analyzed  | QC Batch ID |      |       |
|-----------------------------|-------------------|----------------|------|------|----------------|-----------------------------|---------------|----------------|-------------|------|-------|
| MW1                         | 03-05-0318-1      |                |      |      | 05/06/03       | Aqueous                     | N/A           | 05/07/03       | 030507L01   |      |       |
| Parameter                   | Result            | RL             | DF   | Qual | Units          | Parameter                   | Result        | RL             | DF          | Qual | Units |
| Acetone                     | ND                | 100            | 10   |      | ug/L           | 1,3-Dichloropropane         | ND            | 10             | 10          |      | ug/L  |
| Benzene                     | ND                | 5.0            | 10   |      | ug/L           | 2,2-Dichloropropane         | ND            | 10             | 10          |      | ug/L  |
| Bromobenzene                | ND                | 10             | 10   |      | ug/L           | 1,1-Dichloropropene         | ND            | 10             | 10          |      | ug/L  |
| Bromoform                   | ND                | 10             | 10   |      | ug/L           | c-1,3-Dichloropropene       | ND            | 5.0            | 10          |      | ug/L  |
| Bromochloromethane          | ND                | 10             | 10   |      | ug/L           | t-1,3-Dichloropropene       | ND            | 5.0            | 10          |      | ug/L  |
| Bromodichloromethane        | ND                | 10             | 10   |      | ug/L           | Ethylbenzene                | ND            | 10             | 10          |      | ug/L  |
| Bromomethane                | ND                | 100            | 10   |      | ug/L           | 2-Hexanone                  | ND            | 100            | 10          |      | ug/L  |
| 2-Butanone                  | ND                | 100            | 10   |      | ug/L           | Isopropylbenzene            | ND            | 10             | 10          |      | ug/L  |
| n-Butylbenzene              | ND                | 10             | 10   |      | ug/L           | p-Isopropyltoluene          | ND            | 10             | 10          |      | ug/L  |
| sec-Butylbenzene            | ND                | 10             | 10   |      | ug/L           | Methylene Chloride          | ND            | 100            | 10          |      | ug/L  |
| tert-Butylbenzene           | ND                | 10             | 10   |      | ug/L           | 4-Methyl-2-Pentanone        | ND            | 100            | 10          |      | ug/L  |
| Carbon Disulfide            | ND                | 100            | 10   |      | ug/L           | Naphthalene                 | ND            | 100            | 10          |      | ug/L  |
| Carbon Tetrachloride        | ND                | 5.0            | 10   |      | ug/L           | n-Propylbenzene             | ND            | 10             | 10          |      | ug/L  |
| Chlorobenzene               | ND                | 10             | 10   |      | ug/L           | Styrene                     | ND            | 10             | 10          |      | ug/L  |
| Chloroethane                | ND                | 10             | 10   |      | ug/L           | 1,1,1,2-Tetrachloroethane   | ND            | 10             | 10          |      | ug/L  |
| Chloroform                  | ND                | 10             | 10   |      | ug/L           | 1,1,2,2-Tetrachloroethane   | ND            | 10             | 10          |      | ug/L  |
| Chloromethane               | ND                | 100            | 10   |      | ug/L           | Tetrachloroethene           | 640           | 10             | 10          |      | ug/L  |
| 2-Chlorotoluene             | ND                | 10             | 10   |      | ug/L           | Toluene                     | ND            | 10             | 10          |      | ug/L  |
| 4-Chlorotoluene             | ND                | 10             | 10   |      | ug/L           | 1,2,3-Trichlorobenzene      | ND            | 10             | 10          |      | ug/L  |
| Dibromochloromethane        | ND                | 10             | 10   |      | ug/L           | 1,2,4-Trichlorobenzene      | ND            | 10             | 10          |      | ug/L  |
| 1,2-Dibromo-3-Chloropropane | ND                | 50             | 10   |      | ug/L           | 1,1,1-Trichloroethane       | ND            | 10             | 10          |      | ug/L  |
| 1,2-Dibromothiane           | ND                | 10             | 10   |      | ug/L           | 1,1,2-Trichloroethane       | ND            | 10             | 10          |      | ug/L  |
| Dibromomethane              | ND                | 10             | 10   |      | ug/L           | Trichloroethene             | 1000          | 10             | 10          |      | ug/L  |
| 1,2-Dichlorobenzene         | ND                | 10             | 10   |      | ug/L           | Trichlorofluoromethane      | ND            | 100            | 10          |      | ug/L  |
| 1,3-Dichlorobenzene         | ND                | 10             | 10   |      | ug/L           | 1,2,3-Trichloropropane      | ND            | 50             | 10          |      | ug/L  |
| 1,4-Dichlorobenzene         | ND                | 10             | 10   |      | ug/L           | 1,2,4-Trimethylbenzene      | ND            | 10             | 10          |      | ug/L  |
| Dichlorodifluoromethane     | ND                | 10             | 10   |      | ug/L           | 1,3,5-Trimethylbenzene      | ND            | 10             | 10          |      | ug/L  |
| 1,1-Dichloroethane          | ND                | 10             | 10   |      | ug/L           | Vinyl Acetate               | ND            | 100            | 10          |      | ug/L  |
| 1,2-Dichloroethane          | ND                | 5.0            | 10   |      | ug/L           | Vinyl Chloride              | ND            | 5.0            | 10          |      | ug/L  |
| 1,1-Dichloroethene          | ND                | 10             | 10   |      | ug/L           | p/m-Xylene                  | ND            | 10             | 10          |      | ug/L  |
| c-1,2-Dichloroethene        | 17                | 10             | 10   |      | ug/L           | o-Xylene                    | ND            | 10             | 10          |      | ug/L  |
| t-1,2-Dichloroethene        | ND                | 10             | 10   |      | ug/L           | Methyl-t-Butyl Ether (MTBE) | ND            | 10             | 10          |      | ug/L  |
| 1,2-Dichloropropane         | ND                | 10             | 10   |      | ug/L           |                             |               |                |             |      |       |
| Surrogates:                 | REC (%)           | Control Limits | Qual |      |                | Surrogates:                 | REC (%)       | Control Limits | Qual        |      |       |
| Dibromofluoromethane        | 103               | 88-118         |      |      |                | Toluene-d8                  | 103           | 88-110         |             |      |       |
| 1,4-Bromofluorobenzene      | 95                | 88-115         |      |      |                |                             |               |                |             |      |       |

RL - Reporting Limit

DF - Dilution Factor

Qual - Qualifiers



## ANALYTICAL REPORT

Frey Environmental, Inc.  
2817-A Lafayette Avenue  
Newport Beach, CA 92663-3715

Date Received: 05/06/03  
Work Order No: 03-05-0318  
Preparation: EPA 5030B  
Method: EPA 8260B

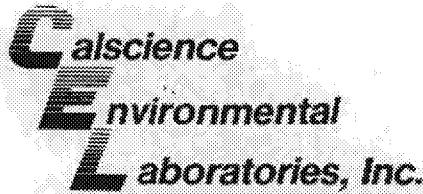
Project: Mondo Chrome / 172-01

Page 2 of 4

| Client Sample Number        | Lab Sample Number |                |         |             | Matrix   | Date Prepared               | Date Analyzed | QC Batch ID    |      |      |       |
|-----------------------------|-------------------|----------------|---------|-------------|----------|-----------------------------|---------------|----------------|------|------|-------|
| MW2                         | 03-05-0318-2      | 05/06/03       | Aqueous | N/A         | 05/07/03 | 030507L01                   |               |                |      |      |       |
| Parameter                   | Result            | RL             | DF      | Qual        | Units    | Parameter                   | Result        | RL             | DF   | Qual | Units |
| Acetone                     | ND                | 10             | 1       |             | ug/L     | 1,3-Dichloropropane         | ND            | 1.0            | 1    |      | ug/L  |
| Benzene                     | ND                | 0.50           | 1       |             | ug/L     | 2,2-Dichloropropane         | ND            | 1.0            | 1    |      | ug/L  |
| Bromobenzene                | ND                | 1.0            | 1       |             | ug/L     | 1,1-Dichloropropene         | ND            | 1.0            | 1    |      | ug/L  |
| Bromoform                   | ND                | 1.0            | 1       |             | ug/L     | c-1,3-Dichloropropene       | ND            | 0.50           | 1    |      | ug/L  |
| Bromochloromethane          | ND                | 1.0            | 1       |             | ug/L     | t-1,3-Dichloropropene       | ND            | 0.50           | 1    |      | ug/L  |
| Bromodichloromethane        | ND                | 1.0            | 1       |             | ug/L     | Ethylbenzene                | ND            | 1.0            | 1    |      | ug/L  |
| Bromomethane                | ND                | 10             | 1       |             | ug/L     | 2-Hexanone                  | ND            | 10             | 1    |      | ug/L  |
| 2-Butanone                  | ND                | 10             | 1       |             | ug/L     | Isopropylbenzene            | ND            | 1.0            | 1    |      | ug/L  |
| n-Butylbenzene              | ND                | 1.0            | 1       |             | ug/L     | p-Isopropyltoluene          | ND            | 1.0            | 1    |      | ug/L  |
| sec-Butylbenzene            | ND                | 1.0            | 1       |             | ug/L     | Methylene Chloride          | ND            | 10             | 1    |      | ug/L  |
| tert-Butylbenzene           | ND                | 1.0            | 1       |             | ug/L     | 4-Methyl-2-Pentanone        | ND            | 10             | 1    |      | ug/L  |
| Carbon Disulfide            | ND                | 10             | 1       |             | ug/L     | Naphthalene                 | ND            | 10             | 1    |      | ug/L  |
| Carbon Tetrachloride        | ND                | 0.50           | 1       |             | ug/L     | n-Propylbenzene             | ND            | 1.0            | 1    |      | ug/L  |
| Chlorobenzene               | ND                | 1.0            | 1       |             | ug/L     | Styrene                     | ND            | 1.0            | 1    |      | ug/L  |
| Chloroethane                | ND                | 1.0            | 1       |             | ug/L     | 1,1,1,2-Tetrachloroethane   | ND            | 1.0            | 1    |      | ug/L  |
| Chloroform                  | ND                | 1.0            | 1       |             | ug/L     | 1,1,2,2-Tetrachloroethane   | ND            | 1.0            | 1    |      | ug/L  |
| Chloromethane               | ND                | 10             | 1       |             | ug/L     | Tetrachloroethene           | 2.9           | 1.0            | 1    |      | ug/L  |
| 2-Chlorotoluene             | ND                | 1.0            | 1       |             | ug/L     | Toluene                     | ND            | 1.0            | 1    |      | ug/L  |
| 4-Chlorotoluene             | ND                | 1.0            | 1       |             | ug/L     | 1,2,3-Trichlorobenzene      | ND            | 1.0            | 1    |      | ug/L  |
| Dibromochloromethane        | ND                | 1.0            | 1       |             | ug/L     | 1,2,4-Trichlorobenzene      | ND            | 1.0            | 1    |      | ug/L  |
| 1,2-Dibromo-3-Chloropropane | ND                | 5.0            | 1       |             | ug/L     | 1,1,1-Trichloroethane       | ND            | 1.0            | 1    |      | ug/L  |
| 1,2-Dibromoethane           | ND                | 1.0            | 1       |             | ug/L     | 1,1,2-Trichloroethane       | ND            | 1.0            | 1    |      | ug/L  |
| Dibromomethane              | ND                | 1.0            | 1       |             | ug/L     | Trichloroethene             | 97            | 1              | 1    |      | ug/L  |
| 1,2-Dichlorobenzene         | ND                | 1.0            | 1       |             | ug/L     | Trichlorofluoromethane      | ND            | 10             | 1    |      | ug/L  |
| 1,3-Dichlorobenzene         | ND                | 1.0            | 1       |             | ug/L     | 1,2,3-Trichloropropane      | ND            | 5.0            | 1    |      | ug/L  |
| 1,4-Dichlorobenzene         | ND                | 1.0            | 1       |             | ug/L     | 1,2,4-Trimethylbenzene      | ND            | 1.0            | 1    |      | ug/L  |
| Dichlorodifluoromethane     | ND                | 1.0            | 1       |             | ug/L     | 1,3,5-Trimethylbenzene      | ND            | 1.0            | 1    |      | ug/L  |
| 1,1-Dichloroethane          | ND                | 1.0            | 1       |             | ug/L     | Vinyl Acetate               | ND            | 10             | 1    |      | ug/L  |
| 1,2-Dichloroethane          | ND                | 0.50           | 1       |             | ug/L     | Vinyl Chloride              | ND            | 0.50           | 1    |      | ug/L  |
| 1,1-Dichloroethene          | ND                | 1.0            | 1       |             | ug/L     | p/m-Xylene                  | ND            | 1.0            | 1    |      | ug/L  |
| c-1,2-Dichloroethene        | 53                | 1              | 1       |             | ug/L     | o-Xylene                    | ND            | 1.0            | 1    |      | ug/L  |
| t-1,2-Dichloroethene        | 1.4               | 1.0            | 1       |             | ug/L     | Methyl-t-Butyl Ether (MTBE) | ND            | 1.0            | 1    |      | ug/L  |
| 1,2-Dichloropropane         | ND                | 1.0            | 1       |             | ug/L     |                             |               |                |      |      |       |
| Surrogates:                 | REC (%)           | Control Limits | Qual    | Surrogates: |          |                             | REC (%)       | Control Limits | Qual |      |       |
| Dibromofluoromethane        | 104               | 86-118         |         | Toluene-d8  |          |                             | 103           | 88-110         |      |      |       |
| 1,4-Bromofluorobenzene      | 95                | 86-115         |         |             |          |                             |               |                |      |      |       |

RL - Reporting Limit    DF - Dilution Factor    Qual - Qualifiers

7440 Lincoln Way, Garden Grove, CA 92841-1432 • TEL: (714) 895-5494 • FAX: (714) 894-7501



## ANALYTICAL REPORT

Frey Environmental, Inc.  
2817-A Lafayette Avenue  
Newport Beach, CA 92663-3715

Date Received: 05/06/03  
Work Order No: 03-05-0318  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: Mondo Chrome / 172-01

Page 3 of 4

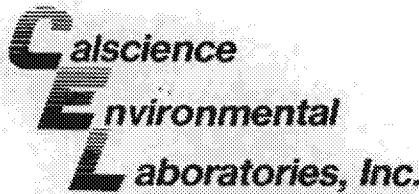
| Client Sample Number | Lab Sample Number | Date Collected | Matrix  | Date Prepared | Date Analyzed | QC Batch ID |
|----------------------|-------------------|----------------|---------|---------------|---------------|-------------|
| MW3                  | 03-05-0318-3      | 05/06/03       | Aqueous | N/A           | 05/07/03      | 030507L01   |

| Parameter                   | Result  | RL             | DF   | Qual | Units | Parameter                   | Result  | RL             | DF   | Qual | Units |
|-----------------------------|---------|----------------|------|------|-------|-----------------------------|---------|----------------|------|------|-------|
| Acetone                     | ND      | 10             | 1    |      | ug/L  | 1,3-Dichloropropane         | ND      | 1.0            | 1    |      | ug/L  |
| Benzene                     | ND      | 0.50           | 1    |      | ug/L  | 2,2-Dichloropropane         | ND      | 1.0            | 1    |      | ug/L  |
| Bromobenzene                | ND      | 1.0            | 1    |      | ug/L  | 1,1-Dichloropropene         | ND      | 1.0            | 1    |      | ug/L  |
| Bromoform                   | ND      | 1.0            | 1    |      | ug/L  | c-1,3-Dichloropropene       | ND      | 0.50           | 1    |      | ug/L  |
| Bromodichloromethane        | ND      | 1.0            | 1    |      | ug/L  | t-1,3-Dichloropropene       | ND      | 0.50           | 1    |      | ug/L  |
| Bromomethane                | ND      | 10             | 1    |      | ug/L  | Ethylbenzene                | ND      | 1.0            | 1    |      | ug/L  |
| 2-Butanone                  | ND      | 10             | 1    |      | ug/L  | 2-Hexanone                  | ND      | 10             | 1    |      | ug/L  |
| n-Butylbenzene              | ND      | 1.0            | 1    |      | ug/L  | Isopropylbenzene            | ND      | 1.0            | 1    |      | ug/L  |
| sec-Butylbenzene            | ND      | 1.0            | 1    |      | ug/L  | p-Isopropyltoluene          | ND      | 1.0            | 1    |      | ug/L  |
| tert-Butylbenzene           | ND      | 1.0            | 1    |      | ug/L  | Methylene Chloride          | ND      | 10             | 1    |      | ug/L  |
| Carbon Disulfide            | ND      | 10             | 1    |      | ug/L  | 4-Methyl-2-Pentanone        | ND      | 10             | 1    |      | ug/L  |
| Carbon Tetrachloride        | ND      | 0.50           | 1    |      | ug/L  | Naphthalene                 | ND      | 10             | 1    |      | ug/L  |
| Chlorobenzene               | ND      | 1.0            | 1    |      | ug/L  | n-Propylbenzene             | ND      | 1.0            | 1    |      | ug/L  |
| Chloroethane                | ND      | 1.0            | 1    |      | ug/L  | Styrene                     | ND      | 1.0            | 1    |      | ug/L  |
| Chloroform                  | ND      | 1.0            | 1    |      | ug/L  | 1,1,1,2-Tetrachloroethane   | ND      | 1.0            | 1    |      | ug/L  |
| Chloromethane               | ND      | 10             | 1    |      | ug/L  | 1,1,2,2-Tetrachloroethane   | ND      | 1.0            | 1    |      | ug/L  |
| 2-Chlorotoluene             | ND      | 1.0            | 1    |      | ug/L  | Tetrachloroethene           | 3.5     | 1.0            | 1    |      | ug/L  |
| 4-Chlorotoluene             | ND      | 1.0            | 1    |      | ug/L  | Toluene                     | ND      | 1.0            | 1    |      | ug/L  |
| Dibromochloromethane        | ND      | 1.0            | 1    |      | ug/L  | 1,2,3-Trichlorobenzene      | 1.1     | 1.0            | 1    |      | ug/L  |
| 1,2-Dibromo-3-Chloropropane | ND      | 5.0            | 1    |      | ug/L  | 1,2,4-Trichlorobenzene      | 1.0     | 1.0            | 1    |      | ug/L  |
| 1,2-Dibromoethane           | ND      | 1.0            | 1    |      | ug/L  | 1,1,1-Trichloroethane       | ND      | 1.0            | 1    |      | ug/L  |
| Dibromomethane              | ND      | 1.0            | 1    |      | ug/L  | 1,1,2-Trichloroethane       | ND      | 1.0            | 1    |      | ug/L  |
| 1,2-Dichlorobenzene         | ND      | 1.0            | 1    |      | ug/L  | Trichloroethene             | 63      | 1              | 1    |      | ug/L  |
| 1,3-Dichlorobenzene         | ND      | 1.0            | 1    |      | ug/L  | Trichlorofluoromethane      | ND      | 10             | 1    |      | ug/L  |
| 1,4-Dichlorobenzene         | ND      | 1.0            | 1    |      | ug/L  | 1,2,3-Trichloropropane      | ND      | 5.0            | 1    |      | ug/L  |
| Dichlorodifluoromethane     | ND      | 1.0            | 1    |      | ug/L  | 1,2,4-Trimethylbenzene      | ND      | 1.0            | 1    |      | ug/L  |
| 1,1-Dichloroethane          | ND      | 1.0            | 1    |      | ug/L  | 1,3,5-Trimethylbenzene      | ND      | 1.0            | 1    |      | ug/L  |
| 1,2-Dichloroethane          | 0.66    | 0.50           | 1    |      | ug/L  | Vinyl Acetate               | ND      | 10             | 1    |      | ug/L  |
| 1,1-Dichloroethene          | 1.5     | 1.0            | 1    |      | ug/L  | Vinyl Chloride              | ND      | 0.50           | 1    |      | ug/L  |
| c-1,2-Dichloroethene        | 12      | 1              | 1    |      | ug/L  | p/m-Xylene                  | ND      | 1.0            | 1    |      | ug/L  |
| t-1,2-Dichloroethene        | ND      | 1.0            | 1    |      | ug/L  | o-Xylene                    | ND      | 1.0            | 1    |      | ug/L  |
| 1,2-Dichloropropane         | ND      | 1.0            | 1    |      | ug/L  | Methyl-t-Butyl Ether (MTBE) | ND      | 1.0            | 1    |      | ug/L  |
| Surrogates:                 | REC (%) | Control Limits | Qual |      |       | Surrogates:                 | REC (%) | Control Limits | Qual |      |       |
| Dibromofluoromethane        | 100     | 86-118         |      |      |       | Toluene-d8                  | 104     | 86-110         |      |      |       |
| 1,4-Bromofluorobenzene      | 96      | 86-115         |      |      |       |                             |         |                |      |      |       |

RL - Reporting Limit

DF - Dilution Factor

Qual - Qualifiers



## ANALYTICAL REPORT

Frey Environmental, Inc.  
2817-A Lafayette Avenue  
Newport Beach, CA 92663-3715

Date Received: 05/06/03  
Work Order No: 03-05-0318  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: Mondo Chrome / 172-01

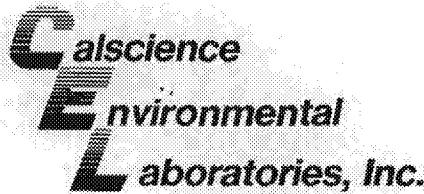
Page 4 of 4

| Client Sample Number        | Lab Sample Number |                |    |      | Date Collected | Matrix                      | Date Prepared | Date Analyzed  | QC Batch ID |      |       |
|-----------------------------|-------------------|----------------|----|------|----------------|-----------------------------|---------------|----------------|-------------|------|-------|
| Method Blank                | 099-10-006-7.424  |                |    |      | N/A            | Aqueous                     | N/A           | 05/07/03       | 030507L01   |      |       |
| Parameter                   | Result            | RL             | DE | Qual | Units          | Parameter                   | Result        | RL             | DE          | Qual | Units |
| Acetone                     | ND                | 10             | 1  |      | ug/L           | 1,3-Dichloropropane         | ND            | 1.0            | 1           |      | ug/L  |
| Benzene                     | ND                | 0.50           | 1  |      | ug/L           | 2,2-Dichloropropane         | ND            | 1.0            | 1           |      | ug/L  |
| Bromobenzene                | ND                | 1.0            | 1  |      | ug/L           | 1,1-Dichloropropene         | ND            | 1.0            | 1           |      | ug/L  |
| Bromoform                   | ND                | 1.0            | 1  |      | ug/L           | c-1,3-Dichloropropene       | ND            | 0.50           | 1           |      | ug/L  |
| Bromochloromethane          | ND                | 1.0            | 1  |      | ug/L           | t-1,3-Dichloropropene       | ND            | 0.50           | 1           |      | ug/L  |
| Bromodichloromethane        | ND                | 1.0            | 1  |      | ug/L           | Ethylbenzene                | ND            | 1.0            | 1           |      | ug/L  |
| Bromomethane                | ND                | 10             | 1  |      | ug/L           | 2-Hexanone                  | ND            | 10             | 1           |      | ug/L  |
| 2-Butanone                  | ND                | 10             | 1  |      | ug/L           | Isopropylbenzene            | ND            | 1.0            | 1           |      | ug/L  |
| n-Butylbenzene              | ND                | 1.0            | 1  |      | ug/L           | p-Isopropyltoluene          | ND            | 1.0            | 1           |      | ug/L  |
| sec-Butylbenzene            | ND                | 1.0            | 1  |      | ug/L           | Methylene Chloride          | ND            | 10             | 1           |      | ug/L  |
| tert-Butylbenzene           | ND                | 1.0            | 1  |      | ug/L           | 4-Methyl-2-Pentanone        | ND            | 10             | 1           |      | ug/L  |
| Carbon Disulfide            | ND                | 10             | 1  |      | ug/L           | Naphthalene                 | ND            | 10             | 1           |      | ug/L  |
| Carbon Tetrachloride        | ND                | 0.50           | 1  |      | ug/L           | n-Propylbenzene             | ND            | 1.0            | 1           |      | ug/L  |
| Chlorobenzene               | ND                | 1.0            | 1  |      | ug/L           | Styrene                     | ND            | 1.0            | 1           |      | ug/L  |
| Chloroethane                | ND                | 1.0            | 1  |      | ug/L           | 1,1,1,2-Tetrachloroethane   | ND            | 1.0            | 1           |      | ug/L  |
| Chloroform                  | ND                | 1.0            | 1  |      | ug/L           | 1,1,2,2-Tetrachloroethane   | ND            | 1.0            | 1           |      | ug/L  |
| Chloromethane               | ND                | 10             | 1  |      | ug/L           | Tetrachloroethene           | ND            | 1.0            | 1           |      | ug/L  |
| 2-Chlorotoluene             | ND                | 1.0            | 1  |      | ug/L           | Toluene                     | ND            | 1.0            | 1           |      | ug/L  |
| 4-Chlorotoluene             | ND                | 1.0            | 1  |      | ug/L           | 1,2,3-Trichlorobenzene      | ND            | 1.0            | 1           |      | ug/L  |
| Dibromochloromethane        | ND                | 1.0            | 1  |      | ug/L           | 1,2,4-Trichlorobenzene      | ND            | 1.0            | 1           |      | ug/L  |
| 1,2-Dibromo-3-Chloropropane | ND                | 6.0            | 1  |      | ug/L           | 1,1,1-Trichloroethane       | ND            | 1.0            | 1           |      | ug/L  |
| 1,2-Dibromoethane           | ND                | 1.0            | 1  |      | ug/L           | 1,1,2-Trichloroethane       | ND            | 1.0            | 1           |      | ug/L  |
| Dibromomethane              | ND                | 1.0            | 1  |      | ug/L           | Trichloroethene             | ND            | 1.0            | 1           |      | ug/L  |
| 1,2-Dichlorobenzene         | ND                | 1.0            | 1  |      | ug/L           | Trichlorofluoromethane      | ND            | 10             | 1           |      | ug/L  |
| 1,3-Dichlorobenzene         | ND                | 1.0            | 1  |      | ug/L           | 1,2,3-Trichloropropane      | ND            | 5.0            | 1           |      | ug/L  |
| 1,4-Dichlorobenzene         | ND                | 1.0            | 1  |      | ug/L           | 1,2,4-Trimethylbenzene      | ND            | 1.0            | 1           |      | ug/L  |
| Dichlorodifluoromethane     | ND                | 1.0            | 1  |      | ug/L           | 1,3,5-Trimethylbenzene      | ND            | 1.0            | 1           |      | ug/L  |
| 1,1-Dichloroethane          | ND                | 1.0            | 1  |      | ug/L           | Vinyl Acetate               | ND            | 10             | 1           |      | ug/L  |
| 1,2-Dichloroethane          | ND                | 0.50           | 1  |      | ug/L           | Vinyl Chloride              | ND            | 0.50           | 1           |      | ug/L  |
| 1,1-Dichloroethene          | ND                | 1.0            | 1  |      | ug/L           | p/m-Xylene                  | ND            | 1.0            | 1           |      | ug/L  |
| o-1,2-Dichloroethene        | ND                | 1.0            | 1  |      | ug/L           | o-Xylene                    | ND            | 1.0            | 1           |      | ug/L  |
| t-1,2-Dichloroethene        | ND                | 1.0            | 1  |      | ug/L           | Methyl-t-Butyl Ether (MTBE) | ND            | 1.0            | 1           |      | ug/L  |
| 1,2-Dichloropropane         | ND                | 1.0            | 1  |      | ug/L           |                             |               |                |             |      |       |
| Surrogates:                 | REC (%)           | Control Limits |    | Qual |                | Surrogates:                 | REC (%)       | Control Limits |             | Qual |       |
| Dibromofluoromethane        | 101               | 86-118         |    |      |                | Toluene-d8                  | 104           | 88-110         |             |      |       |
| 1,4-Bromofluorobenzene      | 96                | 86-115         |    |      |                |                             |               |                |             |      |       |

RL - Reporting Limit

DF - Dilution Factor

Qual - Qualifiers



## Quality Control - Spike/Spike Duplicate

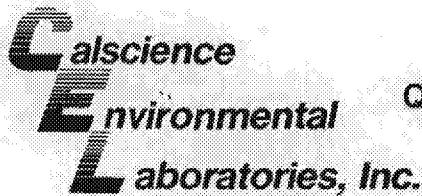
Frey Environmental, Inc.  
2817-A Lafayette Avenue  
Newport Beach, CA 92663-3715

Date Received: 05/06/03  
Work Order No: 03-05-0318  
Preparation: Total Digestion  
Method: EPA 6010B

Project: Mondo Chrome / 172-01

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| 03-05-0263-1              | Aqueous | ICP 3300   | 05/06/03      | 05/07/03      | 030506S06           |

| Parameter        | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|------------------|---------|----------|---------|-----|--------|------------|
| Cadmium          | 104     | 100      | 80-120  | 3   | 0-20   |            |
| Chromium (Total) | 103     | 100      | 80-120  | 3   | 0-20   |            |



## Quality Control - Laboratory Control Sample

Frey Environmental, Inc.  
2817-A Lafayette Avenue  
Newport Beach, CA 92663-3715

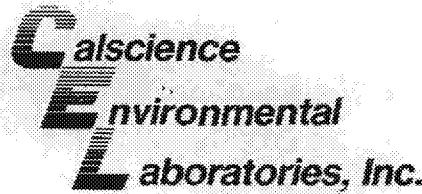
Date Received: 05/06/03  
Work Order No: 03-05-0318  
Preparation:  
Method:

Total Digestion  
EPA 6010B

Project: Mondo Chrome / 172-01

| Quality Control Sample ID | Matrix  | Instrument | Date Analyzed | Lab File ID | LCS Batch Number |
|---------------------------|---------|------------|---------------|-------------|------------------|
| 097-01-003-2.991          | Aqueous | ICP-9380   | 05/06/03      | 0305060408  | 030506L06        |

| Parameter        | Conc Added | Conc Recovered | %Rec | %Rec CL | Qualifiers |
|------------------|------------|----------------|------|---------|------------|
| Cadmium          | 1.00       | 1.07           | 107  | 80-120  |            |
| Chromium (Total) | 1.00       | 1.03           | 103  | 80-120  |            |



## Quality Control - Spike/Spike Duplicate

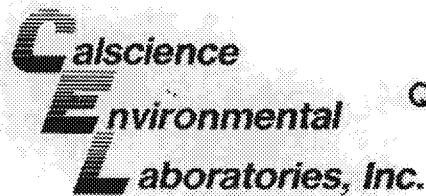
Frey Environmental, Inc.  
2817-A Lafayette Avenue  
Newport Beach, CA 92663-3715

Date Received: 05/06/03  
Work Order No: 03-05-0318  
Preparation: N/A  
Method: EPA 7199

Project: Mondo Chrome / 172-01

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| MW3                       | Aqueous | IC-5       | N/A           | 05/06/03      | 30506CRS1           |

| Parameter           | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|---------------------|---------|----------|---------|-----|--------|------------|
| Hexavalent Chromium | 101     | 100      | 70-130  | 1   | 0-25   |            |



## Quality Control - Laboratory Control Sample

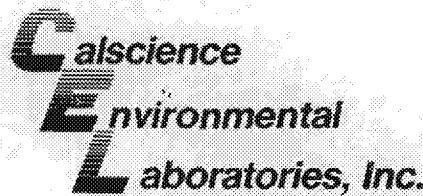
Frey Environmental, Inc.  
2817-A Lafayette Avenue  
Newport Beach, CA 92663-3715

Date Received: 05/06/03  
Work Order No: 03-05-0318  
Preparation: N/A  
Method: EPA 7199

Project: Mondo Chrome / 172-01

| Quality Control Sample ID | Matrix  | Instrument | Date Analyzed | Lab File ID | LCS Batch Number |
|---------------------------|---------|------------|---------------|-------------|------------------|
| 099-05-123-4,210          | Aqueous | IC-5       | 05/06/03      | NONE        | 30506CRL1        |

| Parameter           | Conc Added | Conc Recovered | %Rec | %Rec Cl. | Qualifiers |
|---------------------|------------|----------------|------|----------|------------|
| Hexavalent Chromium | 10         | 10             | 101  | 80-120   |            |



## Quality Control - Spike/Spike Duplicate

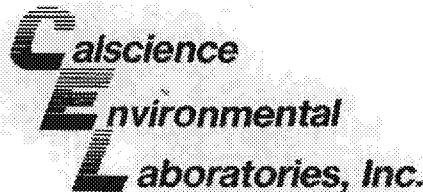
Frey Environmental, Inc.  
2817-A Lafayette Avenue  
Newport Beach, CA 92663-3715

Date Received: 05/06/03  
Work Order No: 03-05-0318  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: Mondo Chrome / 172-01

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|---------------------|
| MW2                       | Aqueous | GC/MS-D    | N/A           | 05/07/03      | 030507S01           |

| Parameter                     | MS %REC | MSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|---------|----------|---------|-----|--------|------------|
| Benzene                       | 105     | 106      | 81-123  | 1   | 0-15   |            |
| Carbon Tetrachloride          | 105     | 106      | 61-133  | 1   | 0-17   |            |
| Chlorobenzene                 | 106     | 106      | 82-124  | 1   | 0-15   |            |
| 1,2-Dichlorobenzene           | 110     | 110      | 82-124  | 0   | 0-16   |            |
| 1,1-Dichloroethene            | 108     | 107      | 70-136  | 1   | 0-20   |            |
| Toluene                       | 114     | 113      | 87-123  | 0   | 0-15   |            |
| Trichloroethylene             | 84      | 83       | 66-108  | 0   | 0-16   |            |
| Vinyl Chloride                | 102     | 108      | 61-133  | 6   | 0-20   |            |
| Methyl-t-Butyl Ether (MTBE)   | 105     | 102      | 67-127  | 4   | 0-20   |            |
| Tert-Butyl Alcohol (TBA)      | 122     | 120      | 20-158  | 1   | 0-41   |            |
| Diisopropyl Ether (DIPE)      | 106     | 106      | 71-125  | 0   | 0-16   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 108     | 107      | 69-129  | 1   | 0-19   |            |
| Tert-Amyl-Methyl Ether (TAME) | 105     | 106      | 70-124  | 0   | 0-19   |            |
| Ethanol                       | 104     | 101      | 39-141  | 3   | 0-53   |            |



## Quality Control - LCS/LCS Duplicate

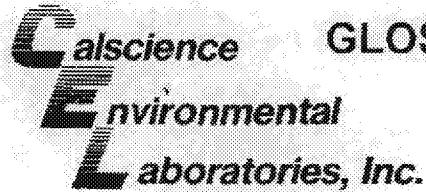
Frey Environmental, Inc.  
2817-A Lafayette Avenue  
Newport Beach, CA 92663-3715

Date Received: 05/06/03  
Work Order No: 03-05-0318  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: Mondo Chrome / 172-01

| Quality Control Sample ID | Matrix  | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---------------------------|---------|------------|---------------|---------------|-----------------------|
| 099-10-006-7,424          | Aqueous | GC/MS-Q    | N/A           | 05/07/03      | 030507L01             |

| Parameter                     | LCS %REC | LCSD %REC | %REC CL | RPD | RPD CL | Qualifiers |
|-------------------------------|----------|-----------|---------|-----|--------|------------|
| Benzene                       | 106      | 104       | 84-120  | 2   | 0-23   |            |
| Carbon Tetrachloride          | 108      | 104       | 66-132  | 3   | 0-43   |            |
| Chlorobenzene                 | 106      | 103       | 89-119  | 2   | 0-124  |            |
| 1,2-Dichlorobenzene           | 108      | 106       | 89-119  | 2   | 0-20   |            |
| 1,1-Dichloroethene            | 108      | 106       | 80-128  | 2   | 0-28   |            |
| Toluene                       | 114      | 111       | 84-126  | 3   | 0-31   |            |
| Trichloroethylene             | 93       | 93        | 69-105  | 1   | 0-29   |            |
| Vinyl Chloride                | 108      | 106       | 70-124  | 2   | 0-36   |            |
| Methyl-t-Butyl Ether (MTBE)   | 103      | 104       | 68-134  | 1   | 0-141  |            |
| Tert-Butyl Alcohol (TBA)      | 120      | 116       | 48-144  | 4   | 0-150  |            |
| Diisopropyl Ether (DIPE)      | 107      | 103       | 79-121  | 4   | 0-27   |            |
| Ethyl-t-Butyl Ether (ETBE)    | 110      | 106       | 74-134  | 3   | 0-34   |            |
| Tert-Amyl-Methyl Ether (TAME) | 109      | 106       | 73-127  | 2   | 0-38   |            |
| Ethanol                       | 92       | 89        | 49-133  | 3   | 0-142  |            |

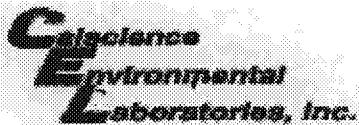


## GLOSSARY OF TERMS AND QUALIFIERS

Work Order Number: 03-05-0318

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| <u>Qualifier</u> | <u>Definition</u>                          |
|------------------|--|
| ND               | Not detected at indicated reporting limit. |



WORK ORDER #:

03 -  05 -  03 /  6Cooler 1 of 1

## SAMPLE RECEIPT FORM

CLIENT: FEYDATE: 5/6/03

## TEMPERATURE – SAMPLES RECEIVED BY:

## CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
- Chilled, cooler without temperature blank.
- Chilled and placed in cooler with wet ice.
- Ambient and placed in cooler with wet ice.
- Ambient temperature.
- °C Temperature blank.

## LABORATORY (Other than Calscience Courier):

- °C Temperature blank.
- °C IR thermometer.
- Ambient temperature.

Initial: SL

## CUSTODY SEAL INTACT:

Sample(s): \_\_\_\_\_ Cooler: \_\_\_\_\_ No (Not Intact): \_\_\_\_\_ Not Applicable (N/A): X  
Initial: SL

## SAMPLE CONDITION:

- |   | Yes       | No        | N/A       |
|---|-----------|-----------|-----------|
| Chain-Of-Custody document(s) received with samples.....       | <u>  </u> | <u>  </u> | <u>  </u> |
| Sample container label(s) consistent with custody papers..... | <u>  </u> | <u>  </u> | <u>  </u> |
| Sample container(s) intact and good condition.....            | <u>  </u> | <u>  </u> | <u>  </u> |
| Correct containers for analyses requested.....                | <u>  </u> | <u>  </u> | <u>  </u> |
| Proper preservation noted on sample label(s).....             | <u>  </u> | <u>  </u> | <u>  </u> |
| VOA vial(s) free of headspace.....                            | <u>  </u> | <u>  </u> | <u>  </u> |
| Tedlar bag(s) free of condensation.....                       | <u>  </u> | <u>  </u> | <u>  </u> |

Initial: SL

## COMMENTS:

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CHSCIENCE ENVIRONMENTAL  
LABORATORIES, INC.

7440 LINCOLN WAY

GARDEN GROVE, CA 92841-1432

TEL: (714) 895-5494 • FAX: (714) 894-7501

## CHAIN OF CUSTODY RECORD

Date May 6 2003

Page 1 of 1

## LABORATORY CLIENT:

FREY ENVIRONMENTAL, INC.

## ADDRESS:

2817-A LAFAYETTE AVENUE

## CITY

NEWPORT BEACH,

## STATE

CA

## ZIP

92663-3715

## TEL:

949/723-1645

## FAX:

949/723-1854

## EMAIL:

evanp @freyinc.com

## TURNAROUND TIME:

 SAME DAY     24 HR     48 HR     72 HR     5 DAYS     10 DAYS

## SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)

 RWQCB REPORTING     COELT REPORTING

## SPECIAL INSTRUCTIONS:

| LAB USE ONLY | GEIMS ID | SAMPLE ID | SAMPLING |           | MATRIX           | NO. OF CONT. |
|--------------|----------|-----------|----------|-----------|------------------|--------------|
|              |          |           | DATE     | TIME      |                  |              |
| 1            |          | MW1       | 2002     | 5-06 9:40 | H <sub>2</sub> O | 3            |
| 2            |          | MW2       |          | 8:35      |                  | 3            |
| 3            |          | MW3       | ↓        | 8:45      | ↓                | 3            |

Relinquished by: (Signature)

*Vincent Kavanagh*

Relinquished by: (Signature)

*Vincent Kavanagh*

Relinquished by: (Signature)

*Vincent Kavanagh*

## CLIENT PROJECT NAME / NUMBER:

Mondo Chrome

172-01

## P.O. NO.:

## LAB USE ONLY

 S  C  D  I  R

## COELT LOG CODE

## COOLER RECEIPT

## TEMP =

## PROJECT CONTACT:

EVAN PIVETT

## SAMPLER(S): (SIGNATURE)

## REQUESTED ANALYSES

|         |            |                     |                     |                           |              |                            |               |              |             |                              |                         |             |                          |                    |                |
|---------|------------|---------------------|---------------------|---------------------------|--------------|----------------------------|---------------|--------------|-------------|------------------------------|-------------------------|-------------|--------------------------|--------------------|----------------|
| TPH (G) | TPH (D) or | BTEX / MTBE (8021B) | HALOCARBONS (8021B) | BTEX / OXYGENATES (8260B) | VOCs (8260B) | VOCs (5035 / 8260B) EnCore | SVOCs (8220C) | PEST (8081A) | PCBs (8082) | EOB / DBCP (504.1) or (8011) | CAC, T22 METALS (6010B) | PNAs (8310) | VOCs (TO-14A) or (TO-15) | HEX CHROME 64 7119 | TOTAL CHROMIUM |
| X       |            |                     |                     | X                         |              |                            | X             |              |             |                              |                         |             | VOCs                     | 3XX                |                |
|         |            |                     |                     |                           |              |                            |               |              |             |                              |                         |             |                          | X 200 mL           |                |
|         |            |                     |                     |                           |              |                            |               |              |             |                              |                         |             |                          |                    | X X X          |

Date: Time:

Date: Time:

Date: Time:

5/6/02 1750

09/10/01 Revision

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Yellow and Pink copies respectively.